

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method ~~of providing information regarding a mobile station adapted for communication via a communication system~~, comprising:

receiving an area event notification request from a client at a location service entity provided in association with the communication system, the area event notification request containing information associated with the identity of ~~the mobile~~ a mobile station and ~~an area~~ a geographical area of interest;

activating monitoring for an event indicative of a change in the presence status of the mobile station relative to said geographical area of interest; and

signalling a notification to the client in response to detection of such event.

2. (Original) A method as claimed in claim 1, wherein the monitoring is activated at the mobile station.

3. (Original) A method as claimed in claim 1, wherein the monitoring is based on the identity of at least one cell of the communication system selected based on said information of the area of interest.

4. (Original) A method as claimed in claim 1, wherein the monitoring is based on at least one location area determined based on said information of the area of interest.

5. (Original) A method as claimed in claim 1, wherein the monitoring is based on at least one routing area determined based on said information of the area of interest.

6. (Original) A method as claimed in claim 1, wherein the monitoring is based on at least one service area determined based on said information of the area of interest.

7. (Original) A method as claimed in claim 1, wherein the area of interest is defined by means of a shape of the area.

8. (Original) A method as claimed in claim 1, wherein the request contains further information regarding the event to be reported, the further information defining whether entering or leaving the area of interest shall be reported.
9. (Original) A method as claimed in claim 1, comprising cancelling the request for area event notifications.
10. (Original) A method according to claim 9 wherein the request is cancelled after the signalling notification step.
11. (Original) A method according to claim 1 wherein said signalling notification is responsive to detection of said event over a predetermined time period.
12. (Original) A method according to claim 1 wherein successive signalling within a predetermined time period is limited.
13. (Original) A method according to claim 12, wherein an LCS client defines the predetermined time period such that successive signalling is limited.
14. (Original) A method according to claim 12, wherein a network operator defines the predetermined time period such that successive signalling is limited.
15. (Original) A method according to claim 1 wherein the area of interest is taken into consideration in cell selection.
16. (Original) A method according to claim 1 wherein the step of receiving an area event notification request is responsive to a location update.
17. (Original) A method according to claim 1 further comprising the step of confirming the location of the mobile station responsive to the signalling location, to ensure the location corresponds to the area of interest.
18. (Currently Amended) An ~~arrangement in a communication system~~ apparatus, comprising:
~~mobile stations adapted for wireless communication with base stations of the communication system;~~

a location service entity adapted for receiving an area event notification request from
a client containing information associated with the identity of a target mobile station and ~~an~~
~~area~~ a geographical area of interest;

monitoring means for monitoring, in response to receiving said request, for an event
indicative of a change in the presence status of the target mobile station relative to said
geographical area of interest and for signalling a notification to the client in response to
detection of such event.

19. (Currently Amended) An ~~arrangement~~ apparatus as claimed in claim 18, wherein the
monitoring means are provided in association with the target mobile station.

20. (Currently Amended) An ~~arrangement~~ apparatus as claimed in claim 18, wherein the
monitoring is based on an area identifier associated with the operation of the communication
system.

21. (Currently Amended) An ~~arrangement~~ apparatus as claimed in claim 18, wherein the area
of interest is defined by means of the shape thereof.

22. (Canceled).